Notebook, N-92-04-16

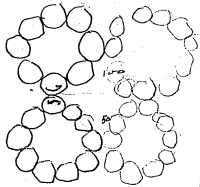
The one dated entry in this notebook is from April 1892. All entries are by Edison. The book contains extended theoretical notes relating to gravity and other astronomical forces, the nature and structure of the solar system, and the transmission of light waves and electrical energy. Also included are notes, drawings, and calculations regarding electrical experiments. The pages are unnumbered, and several pages have been removed from the book. Approximately 30 pages have been used. Four loose pages have been inserted into the book.

92-04-16

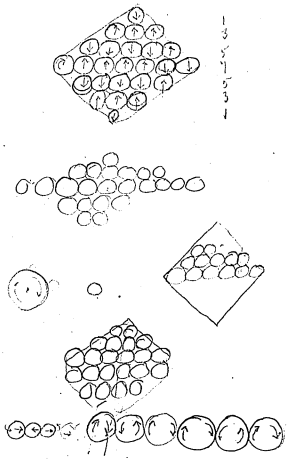
75428

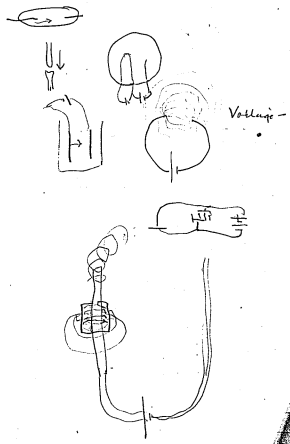
Acme Co.,

MFG. STATIONERS,
96 JOHN ST.
AND
19 PLATT ST.
NEW YORK



1000 ohms interior

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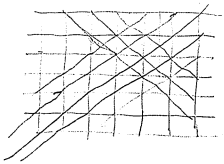
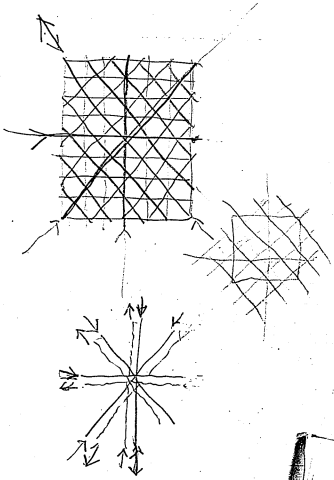


Air 1000
Water 4000
Steel 16000
displacement 180000



1430 ft second

1000

5.1) 24000 (1430

5000

84000) 120000 (

84000

360000

3360

1800

3179

1000 miles

by two = 1 ft

pressure

84000) 120 000 000 (1428 ft second

84000

360000

336000

24000

21000

3000

85.68 (17 miles a min

50.68

35.68

1430

5000) 7150 (17

5000

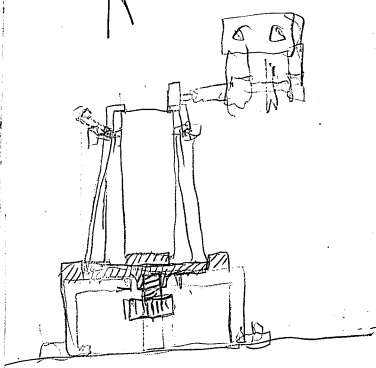
2150

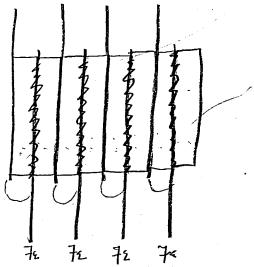
3580

April 16 / 92

A # 2

No 1





4 Elements - or pairs
8 Asbestos
2 Asbestos to pair -
80 asbestos 40 pair

7x0

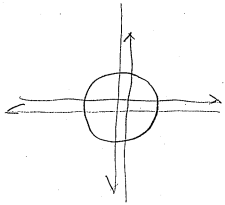
Teddy come to me
Here is your breakfast
The bird will want you to
feed it.

Birds sing on the tree

Birds feed on the bough

The storm is rough some times

We go through the gate to the
garden



If our world was suspended in space, away from all matter like the sun & planets and neither revolved or moved in space, and the primodial bodies moving with a velocity of say 600 times the velocity of light & equally in all directions and these primodial bodies lost ~~[illegible]~~ a portion of their velocity in passing individually thru

the earth matter - it would produce the attraction of one piece of matter for all other pieces of fixed matter and account for the ~~att~~ so called attraction of Gravitation,

~~If the earth is found [illegible] the Earth [illegible]~~

If the earth increased in size or density the velocity or velocity of the proposed particles would diminish & the Earth would get hotter deriving the energy from these particles

hence a large body like a sun would be supplied perpetually with energy + in proportion to the density or size —

If these permadial particles went in straight lines in every direction — + equal in quantity — there would be no tendency for the Earth to advance or turn or drift —

Now suppose the earth was in motion say at the same speed as it now had in its orbit around the sun -

It would proceed in a straight line -

Supposing 2 or 3 light years ahead was our present sun several hundred millions of miles to the right instead of 92 million as now -

If it suddenly appeared in this position the earth would be affected + could not proceed

in a straight line because the stream of promods would be distributed, a beam of promods passing thru the sun would have their velocities changed would be slower and when these strick the earth it would no longer be evenly bombarded by promods all at the same speed, those promods coming from space on the opposite side to that where the sun stood would have full velocity that towards the sun lessened velocity hence the Earth would be pushed towards the sun, not attracted as by

the present theory

the result would be that ultimately the earth would travel in a very extended orbit around the sun, and this orbit must necessarily be eccentric - also as time goes on will have an orbit gradually diminished in circumference + ultimately will pass into the sun not by attraction but pushed in =

Ultimately all our

planets will be forced into the sun

All matter is built up from these primordio by Collisions + Coalescing - ~~[illegible]~~ The first Combination becomes a Compound + takes on the properties of matter Light is not carried by these Collision Complexes until their speed falls to approximately around 185 000 miles a second then the complex can

be impressed with Vibration
~~It~~ like a Graphophone
it can have impressed
on it the vibrations of
any other matter like
Sodium Lithium etc

~~The~~ stream of these
Complexes ~~passed~~ from
Sodium Vapor have
impressed on them the
vibrations of the Sodium
atom + these complexes
stream thru space +
striking the Earth Matter
record these impressed

Vibrations & we see the
sodium line in the spectrum
The so called wave length
has no existence —
Light may travel
186,000 miles per second
but its not necessary
to suppose that it
comes on the so called
Ether & be figured in
wave lengths as these
primodial complexes
travelling at same
speed may have ~~them~~
vibrations impressed on
them which are

a million times slower than those impressed on the Ether & wave length system —

and these complex. can carry any kind of impressed vibrations — & we get over spaces all the vibrating rates of all the metals etc. is seen in the ~~Spectroscope~~

(Note, the light carrying Complex gives light waves by its vibration impressed thereon and as the amplitude diminishes it ceases to give light & then gives radiant heat but only because of diminished

amplitude

Inconsiderate bodies giving light
Even a candle has all waves + rates of
Vibration even when weak, but the
Ultra violet we cannot appreciate
being too weak but rise of
temp increases their amplitude
and we then enabled to
know of their presence.
Rise of temp simply
increases amplitude —

Light goes in straight
lines apparently the
carriers of the impressed
Vibrations actually pass
thru space + impart them

impressed waves with the
particles to all fixed or
semi fixed bodies -

But Electricity & Magnetism
apparently always
move in circuits -
not in a straight
line - hence the method
of transmitting light
& radiant heat energy
must be quite different

Can Wheatstone's
measurements of Velocity
of Elec be anywhere
near correct

I believe Elec Energy
has not the speed
of light Energy
there must have

been some large source of error in it unless he made it faster than light which is unknown

$13 profit

15 200000 · 36000000

2000

2160000000

250 40000

1200000

10000000 2 = 150

7500000

150

170

10500

150

2550

120

150

7500

1200

12750

13 5000000

5000000

2000000

15

36000000

1200

2160

2

[ITEM FOUND IN BOOK]

(1)

The Corpuscles which carry light is a compound of the ultimate entities brought about by collisions — probably there are from 2 to 4 particles which have coalesced

These particles are slowed down to 186000 miles second

They have a natural vibrating time near that producing the Sodium line

(2)

or a multiple of that time — but of course can have any rate of vibration forced or impressed upon them

The Entities - sinking matter like a mote absorbs the vibration & transfer it to other light carrying entities which of course pass through space

[ITEM FOUND IN BOOK]

3

in all directions

The motes as compared to the rays of the light Carrying entity are large pieces of matter. They absorb the vibration + dampen it the light particle proceeds without any or very small impressed vibration amplitude if the mote is opaque + with considerable ~~of~~ transparency

4

In the case of a column of water. The vibrations impressed on the light Carrying particle is ~~[illegible]~~ absorbed below the vision point in perhaps 50 feet, but the light Carrying particle still has high velocity + penetrates to unknown distances into matter